

PTO/SB/08A (08-03)

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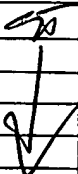
(Use as many sheets as necessary)

Sheet 1 of 15

Complete if Known

Application Number	10/695,560
Filing Date	10/27/2003
First Named Inventor	Schlager, Dan
Art Unit	2632
Examiner Name	Wu, Daniel
Attorney Docket Number	SCHL-PAR2

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DT		US- 3,588,858	06/1971	Demuth	
DT		US- 3,784,842	01/1974	Kremer	
		US- 4,058,802	11/1977	Meyers	
		US- 4,598,272	07/1986	Cox	
		US- 4,665,385	05/1987	Henderson	
		US- 4,675,656	06/1987	Narcisse	
		US- 4,777,478	10/1988	Hirsch et al.	
		US- 4,785,291	01/1988	Hawthorne	
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		US- 4,899,135	02/1990	Ghahariaran	
		US- 4,952,928	08/1990	Carroll et al.	
		US- 5,025,247	06/1991	Banks	
		US- 5,043,702	08/1991	Kuo	
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		US- 5,047,750	09/1991	Hector	
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		US- 5,115,223 A	05/1992	Moody	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	† ⁶
		Country Code ³ * Number ⁴ * Kind Code ⁵ (if known)				
		EP 0 559 074 A1	02/1993			
		GB 2274188	07/1994			
		WO 93/06531	04/1993			
		WO 94/15412	07/1994			

Examiner Signature		Date Considered	04/03/05
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Sheet 2

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[Signature]		US- 5,119,341 A	06/1992	Youngberg	
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✓		PCT/US96/17473	08/25/1997			
		PCT/US95/13823	12/06/1996			
		PCT/US95/13823 ISR	02/23/1996			

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A		US- 5,420,592 A	05/1995	Johnson	
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		US- 5,712,899 A	01/1998	Pace, II	

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Attorney Docket Number	SCHL-PAR2

U. S. PATENT DOCUMENTS

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Sheet 5 of 15**U. S. PATENT DOCUMENTS**

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		US-			
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		US- 4,589,132	05/1986	Bothol	
		US- 4,651,157	03/1987	Gray et al.	
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		US- 5,392,052 A	02/1995	Eberwine	
		US- 5,434,787 A	07/1995	Okamoto	
		US- 5,504,482 A	04/1996	Schreder	
		US- 5,504,491 A	04/1996	Chapman	
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FOREIGN PATENT DOCUMENTS

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Sheet 6


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		US- 5,742,233 A	04/1998	Hoffman et al.	
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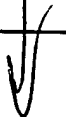
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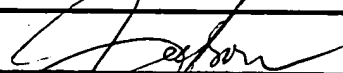
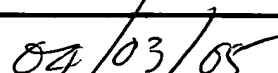
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NON PATENT LITERATURE DOCUMENTS			
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	5	RAAB et al., "An Application of the Global Positioning System to Search and Rescue and Remote Tracking," Nav. Journal of Inst. of Navig, Fall 1997, Vol. 24, No. 3	
	6	CAMERON et al, "Use of Commercial GIS and GPS for Emerg. Location and Dispatch"; 51st Annual Mtng of Inst. of Navigation, June 1995	
	7	DRISCOLL, "Finding the Fleet: Vehicle Location Systems and Technologies" GPS World; April 1994, Pp. 66-70.	
	8	MASTERS, et al., "GPS/GIS and Space Time Data" Presented at the Institute of Navigation, Sept. 1994	
	12	OMNITRACS Technical Overview, QUALCOMM Ind. 80-6462	
	18	Executive Summary, CAE-Link's CPLS and LinkTrak Systems, Copyright 1993, CAE-Link	
	19	LINKTRAK User's Guide, Rev. 00, CAE-Link Corp., LinkTrak Version 1.0, March 18, 1994	
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	21	LINKTRAK'S Regional Mobile Emergency Response Coord. System Operation, October 22, 1993	
	22	CPLS Cellular Position Location System, LINKTRAK Security System, CAE-Link Corp. 1993	

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



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First Named Inventor	Schlager, Dan
Art Unit	2632
Examiner Name	Wu, Daniel
Attorney Docket Number	SCHL-PAR2

Sheet 8 of 15

NON PATENT LITERATURE DOCUMENTS

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	24	BROWN, A; "A Low Cost Vehicle Location and Tracking System," IEEE PLANS; March 1992; California, USA	
	25	BROWN, A; "A Low Cost GPS Sensor for Tracking Applications, ION Satellite Div. Int'l Technical Meeting, September 1993, Salt Lake City, UT, USA	
	26	KIJAN et al., "GPS to the Rescue - Mayday for Motorists;" ION Satellite Div. Intl. technical Meeting, September 1993, Salt Lake City, UT USA	
	27	BROWN et al., "GPS Receivers - TIDGET-PLUS: Urban Navigation with Stand-Alone GPS"; ION Satellite Div. Intl. Technical Meeting, Sept. 1994, Salt Lake City, UT USA	
	28	BROWN, A. et al. "TIDGET Mayday System for Motorists," IEEE Position, Location and Nav. Symposium, April 1994, Las Vegas, NV USA	
	29	BROWN, A. et al., "An Operational Test of a Vehicle Emergency Location Service in Colorado"; Winter 1994-1995; Paper received June 1994, Revised August 1995.	
	30	CAMERON, "A Mayday System for Rural Highway Travel"; ITS America Annual Conf., March 1995, Washington, DC USA	
	31	"Intellegent Transportation System Mayday Becomes a Reality"; NAECON Nat'l Aerospace Elec. Conf., May 1995, Dayton, OH USA	
	32	"Use of Commercial GIS and GPS for Emergency Location and Dispatch, ION 51st Annual Meeting, June 1995, Colorado Springs, CO USA	
	33	"Strategic Plan for Intelligent Vehicle Highway Systems," Report No. IVHS-AMER-92-3, IVHS America, May 20, 1993	

Examiner Signature		Date Considered	04/03/05
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**INFORMATION DISCLOSURE
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CS	34	ITS Architecture Development Program, Phase 1, Summary Report, ITS America, November 1994	
	35	JHK ASSOC.; "Advanced Traveler Information Systems for Rural Areas"; January 1995	
	38	GERALD PIERCE, "Calling for a PCN Emergency Services Standard"; Telephony, December 21, 1992	
	39	SWALES, MALONEY & STEVENSON, "Locating Mobile Phones & US Wireless E-911 Mandate;" IEEE, 1999	
	40	FRENCH, DRISCOLL; "Location Technologies for ITS Emergency Notification and E911"	
	41	GLOECKLER, VAN DIERENDONCK, HATCH; "Proposed Rev. to TRCM SC-104, Recom. Standards of Differential NAVSTAR/GPS Service for Carrier Phase Appln;" Proceedings of ION, GPS93;1992	
	42	BERTIGER, BAR-SEVER, HAINES, IBANEZ-MEIER, MUELLERSCHOEN, MUNSON, RIM, WU, ABUSALI; SCHUTZ, WILLIS; "The 1st Low Earth Orbiter w/Precise GPS Pos. Topex/Poseidon" ION-GPS93;1992	
	43	Technical Proposal for the GPS Demo. Receiver Subsystem VOL. 1, 23 Sept, 1986	
	44	RTCM Rec. Standards for Differential NAVSTAR GPS Serv., Jan 3, 1994	
	45	FRENCH, ROBERT J., "Automobile Navigation: Where is it Going?" ; IEEE AES Magazine May 1987; 6-12	

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	46	KRAKIWSKY, EDWARD J., "GPS and Vehicle Location and Navigation"; GPS World; May 1991; 50-53	
	49	"Automatic Vehicle Location System"; Advertisement in GPS World, August 1992, Dallas, TX USA	
	51	KILJAN, JOHN P. et al.; "GPS to the Rescue-Mayday for Motorists; ION-GPS 93, September 1993; Salt Lake City, Utah USA	
	52	SUSHKO, M., Kensington & Icknield, Ltd.; "Navigating the Earth and Beyond;" 1994 Nat. Tech Mtng Proceedings, Catamaran Rsr Hotel; Jan. 24-26, 1994; 261-275; San Diego, CA USA	
	53	KRAKIWSKY, EDWARD J., "Innovations in Vehicle Treacking and Navigation"; GPS World February, 1994; 42-45	
	54	Auto Trac, Vehicle Tracking System, GPS World Magazine, February 1994	
	55	MARKS, PETER; "For a few lucky motorists, guidance by satellite"; New York Times, April 2, 1994; 1, 16	
	56	BROWN, ALISON, AND SILVA; "TIDGET Mayday System for Motorists;" IEEE Plans; April 1994, Las Vegas, NV USA	
	57	DRISCOLL, CLEMENT; "Finding the Fleet; Vehicle Location Systems and Technologies"; BPS World; April 1994, 66-70	
	58	http://www.mobilecomms-technology.com/contractors/gisservices/ms/	

Examiner Signature		Date Considered	04/03/05
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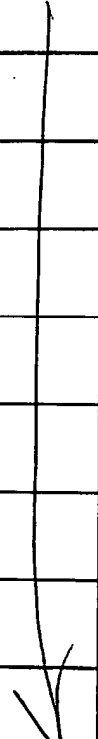


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	59	ETE Inc., Communications Peripheral, Advertisement in GPS WORLD, August 1994; 58	
	60	EWAN MASTERS, BEND MIRSCH, and KEN WONG; "GPS/GIS and Space Time Data"; ION-GPS; September 1994	
	61	GPS WORLD; "Avis to the Rescue"; GPS WORLD, November 1994	
	62	KRAKIWSKY, EDWARD J. and HARRIS, CLYDE; "Communications for AVLN Systems"; GPS WORLD; November 1994; 42-50	
	63	MANN, STEVE; "ETE Communicator Finally Shipping"; PDA Developers; Jan/Feb 1995; 1-2	
	64	TRIMBLE; "Trimble Introduces New Line of Wireless Communications Products"; News Release; Feb. 1, 1995	
	65	GPS WORLD; "Firms Sign Agreement on GPS/Cellular Standards"; Notes, February 1995; 57	
	66	KRAKIWSKY, EDWARD and MCLELLAN, J.F.; "Making GPS Even Better with Auxiliary Devices"; GPS WORLD; March 1995; 46-53	
	67	MOTOROLA; "Motorola Cellular Positioning and Emergency Messaging Unit"; picture and description; undated	
	68	ATTN; "Trimble's Trackers Go Wireless"; Advanced Transportation Technology News; March 1995	

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








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Complete if Known

Application Number	10/695,560
Filing Date	10/27/2003
First Named Inventor	Schlager, Dan
Art Unit	2632
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Sheet 12 of 15

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	70	CAMERON, MAX and BROWN, A.; "Intelligent Transportation System Mayday Becomes a Reality"; NAECON; May 1995; Dayton, OH USA	
	71	SUSHKO, M.; "Cellular Data Serv. for Vehicular Tracking, Control and Information Systems"; Meeting Proceedings Celebr. 50th Anniv. of ION; June 5-7, 1995; Colo.Springs, CO USA	
	72	LAW, ALEX; "Lincoln Tracking System Puts Help a Button Away"; Toronto Star, June 1995; H14	
	73	HIGHWAY MASTER; "Cellular Communications System"; GPS WORLD advertisement; August 1995	
	74	GPS WORLD NEWSLETTER; "Cellular and Location Determination: Texas Agency Sets GPS 911 Trial; GPS WORLD Newsletter; September 12, 1995	
	75	LACEY, NEIL and CAMERON, MAX; "Mayday in the Rockies: Colorado's GPS-Based emergency Vehicle Location System; GPS WORLD, October 1995; 40	
	76	GPS WORLD; "Texas Adds GPS to Cellular E911 Trials"; GPS World Global View; October 1995; 19	
	77	ATTN; "Secure-Track Secures Vehicle Safety"; Advanced Transportation Technology News; November 1995	
	78	AUTO-TRAC; "Cellular-based Vehicle Tracking Unit"; GPS World advertisement; December 1995	

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	83	HAYASHI, WATANABE, SAEKINE, YOKOI; "Search and Rescue System Utilizing GPS and a Geostationary Meteorological Satellite; Proceedings of ION GPS 1993	
	84	YANG and YIP; "Integration of Vehicular Navigation and Mobitex Wireless Pocket Data Network"; Proceedings of National Technical Meeting, 1994	
	85	PINKARD; "Combat Survivor Evader Locator (CSEL), A New Method for Locating Survivor"; 1994	
	86	MOEGLEIN, HAKAYAMA, HAMMER, and BLACKWELL; "Options for PPS Space Segment Accuracy Requirements"; Proceedings of National Technical Meeting; January 22-24, 1996	
	87	FRENCH and DRISCOLL; "Location Technologies for ITS Emergency Notification and E911; 1996	
	88	RAJPO Tutorial, October 1990	
	89	Differential GPS I - ION GPS - 95 Tutorial; September 12, 1995	
	90	GPS WORLD SHOWCASE; "Open-ended AVL"; Dec. 1994	
	91	GPS WORLD SHOWCASE; "Portable AVL"; August 1995	

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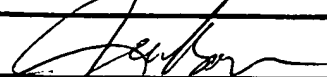
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	93	GPS WORLD SHOWCASE; "AVL System"; GPS World Showcase, August 1994	
	94	DRISCOLL; "If you build it will they come? Location-based Communications and the Consumer"; GPS World, November, 1996	
	95	SIRF Navigations 1996	
	96	ROCKWELL PRO 2000, Mobile Communications Systems, 1995	
	97	DR REPORTS; "The Global Positioning System"; November 1991	
	98	Tracking Products, Inc.	
	99	GPS WORLD NEWSLETTER; "Start-up Goes After GPS Chips"; September 13, 1996	
	100	YOSHUDA; "GPS in Consumer Orbit"; Electronic Engineering Times; August 21, 1995	
	101	Mobile Virtual Presence (MVP-R2 REMOTE); MVP-R2 Remote Technical Specification; May 21, 1997	

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



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	103	The Institute of Navigation; National Technical Meeting; January 24-26, 1994	
	104	DURST, FOWLER and McALEXANDER; "Mobile Object Locator"; May 22, 2001/July 28, 1999	
	105	WIRELESS INSIDER; "Life Vest Keeps GPS Afloat in Phones"; October 18, 1999	
	106	POWER LOC TECHNOLOGIES, Inc., Personal Location Devices (PLD)	
	107	AIC CONFERENCE; "Wireless Emergency Services"; May 13-14, 1997; San Francisco, CA USA	

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